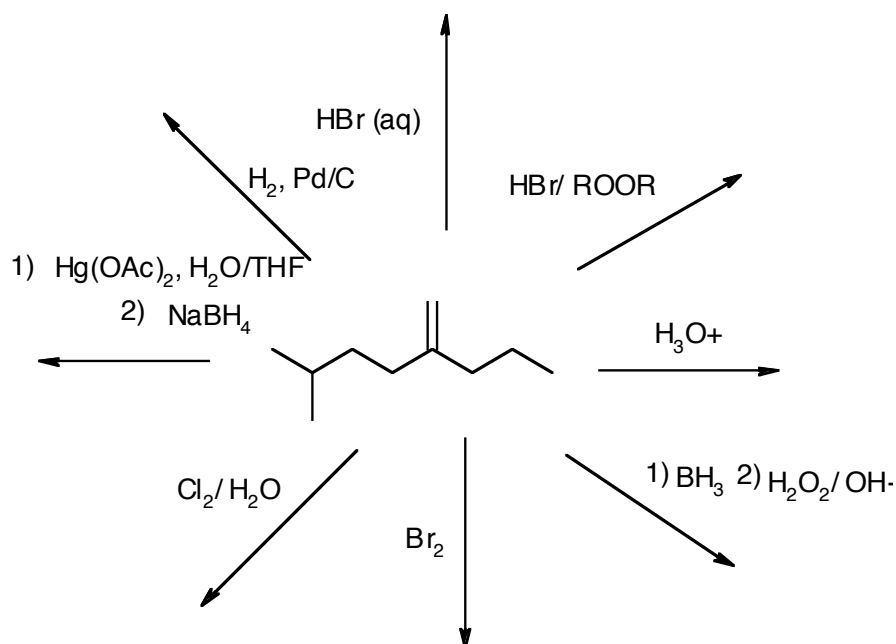


Name: \_\_\_\_\_

Section: \_\_\_\_\_

*Chem 226 / Dr. Rusay*  
**WORKSHEET (VI): Reactions of Alkenes**

1. Provide a line drawing for the principal product in each of the following reactions. Begin at the top for the reaction of the alkene with HBr(aq) and then proceed clockwise. Circle any chiral carbon atoms in the products.



2. On a separate sheet, show a complete reaction mechanism that includes all of the intermediates and steps in the formation of the product in following exergonic reaction. Provide a reaction coordinate diagram for your mechanism with all of the transition states and intermediates clearly labeled.

